

2005 KINDERGARTEN ASSESSMENT RESULTS
CALIFORNIA DEPARTMENT OF HEALTH SERVICES, IMMUNIZATION BRANCH

Introduction

The annual kindergarten assessment is conducted each fall to monitor compliance with the California School Immunization Law. Results from this assessment are used to measure immunization coverage among students entering kindergarten. This report presents results from this year's kindergarten assessment and the attached tables present comparisons of immunization coverage in kindergarten schools by county.

Methods and Participants

This year's kindergarten assessment was conducted in 8,496 of California's schools with kindergartens. School staff complete assessment reports and return them to local health departments and the Immunization Branch.

Results and Discussion

Table 1 shows that the results from the fall 2005 kindergarten assessment are similar to previous years. This year 92.8% of the 512,733 students enrolled in reporting kindergartens received all required immunizations (4+ DTP, 3+ Polio, 2+ MMR, 3+ Hep B, and 1+ varicella). There were 6,794 (1.33%) students with personal belief exemptions and 778 (0.15%) students with permanent medical exemptions. Coverage for each vaccine has been higher than 95% and the percent of students meeting the requirement for varicella (one dose of vaccine or physician-documented disease or immunity) has shown improvement, from 96.9% in 2001 to 98.8% in 2005.

Table 1: Kindergarten Assessment, 2001-2005

	2001	2002	2003	2004	2005
Number of Schools	8,705	8,646	8,544	8,510	8,496
Number of Students	523,516	519,397	513,519	510,074	512,733
All Required Immunizations	90.85%	92.29%	92.53%	92.87%	92.82%
Conditional Entrants	7.83%	6.45%	6.18%	5.74%	5.70%
Permanent Medical Exemptions	0.14%	0.15%	0.13%	0.15%	0.15%
Personal Belief Exemptions	1.19%	1.11%	1.16%	1.24%	1.33%
DTP 4+	96.6%	96.2%	96.5%	96.6%	96.4%
Polio 3+	97.1%	97.2%	96.9%	97.0%	96.8%
MMR 2+	96.7%	97.0%	96.8%	96.9%	96.8%
Hep B 3+	97.7%	98.1%	98.1%	98.3%	98.4%
Varicella 1+	96.9%	98.3%	98.6%	98.8%	98.8%

Description of Attached Tables

Enclosed is a full set of tables showing this year's results. Table 2 shows total enrollment and admission status by county. Table 3 shows students adequately immunized for each vaccine by county. Table 4 shows the number of schools reporting by county and type (public or private).

For further information, please contact Elisha Larez at (510) 620-3746 or elarez@dhs.ca.gov, or Madina Sharifi at (510) 620-3757 or msharifi@dhs.ca.gov at the California Department of Health Services, Immunization Branch.

KINDERGARTEN ASSESSMENT - CALIFORNIA, 2005
TABLE 2: TOTAL ENROLLMENT AND ADMISSION STATUS
BY COUNTY

	TOTAL STUDENTS	ENTRANTS WITH ALL REQ. IMMUN.		CONDITIONAL ENTRANTS		ENTRANTS WITH PME		ENTRANTS WITH PBE	
	NUMBER	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
STATE TOTAL	512,733	475,911	92.82%	29,250	5.70%	778	0.15%	6,794	1.33%
COUNTY									
ALAMEDA	17,895	16,603	92.78%	1,130	6.31%	17	0.09%	145	0.81%
ALPINE	17	14	82.35%	2	11.76%	0	0.00%	1	5.88%
AMADOR	318	304	95.60%	3	0.94%	0	0.00%	11	3.46%
BUTTE	2,456	2,263	92.14%	88	3.58%	6	0.24%	99	4.03%
CALAVERAS	454	397	87.44%	31	6.83%	3	0.66%	23	5.07%
COLUSA	367	354	96.46%	8	2.18%	0	0.00%	5	1.36%
CONTRA COSTA	14,338	13,719	95.68%	392	2.73%	38	0.27%	189	1.32%
DEL NORTE	359	340	94.71%	5	1.39%	0	0.00%	14	3.90%
EL DORADO	2,073	1,804	87.02%	179	8.63%	4	0.19%	86	4.15%
FRESNO	15,046	14,453	96.06%	515	3.42%	10	0.07%	68	0.45%
GLENN	445	436	97.98%	7	1.57%	0	0.00%	2	0.45%
HUMBOLDT	1,371	1,126	82.13%	144	10.50%	1	0.07%	100	7.29%
IMPERIAL	2,640	2,539	96.17%	89	3.37%	5	0.19%	7	0.27%
INYO	192	182	94.79%	4	2.08%	0	0.00%	6	3.13%
KERN	13,496	12,591	93.29%	720	5.33%	19	0.14%	166	1.23%
KINGS	2,320	2,231	96.16%	80	3.45%	1	0.04%	8	0.34%
LAKE	750	644	85.87%	71	9.47%	0	0.00%	35	4.67%
LASSEN	394	326	82.74%	47	11.93%	0	0.00%	21	5.33%
LOS ANGELES	138,442	126,482	91.36%	10,706	7.73%	118	0.09%	1,136	0.82%
MADERA	2,285	2,119	92.74%	137	6.00%	2	0.09%	27	1.18%
MARIN	2,870	2,402	83.69%	339	11.81%	8	0.28%	121	4.22%
MARIPOSA	143	118	82.52%	22	15.38%	0	0.00%	3	2.10%
MENDOCINO	1,046	884	84.51%	99	9.46%	0	0.00%	63	6.02%
MERCED	4,500	4,255	94.56%	220	4.89%	1	0.02%	24	0.53%
MODOC	112	103	91.96%	6	5.36%	1	0.89%	2	1.79%
MONO	141	128	90.78%	10	7.09%	0	0.00%	3	2.13%
MONTEREY	5,685	5,388	94.78%	257	4.52%	5	0.09%	35	0.62%
NAPA	1,655	1,573	95.05%	61	3.69%	5	0.30%	16	0.97%
NEVADA	1,024	796	77.73%	109	10.64%	2	0.20%	117	11.43%

KINDERGARTEN ASSESSMENT - CALIFORNIA, 2005
TABLE 2: TOTAL ENROLLMENT AND ADMISSION STATUS
BY COUNTY

	TOTAL STUDENTS	ENTRANTS WITH ALL REQ. IMMUN.		CONDITIONAL ENTRANTS		ENTRANTS WITH PME		ENTRANTS WITH PBE	
	NUMBER	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
STATE TOTAL	512,733	475,911	92.82%	29,250	5.70%	778	0.15%	6,794	1.33%
COUNTY									
ORANGE	42,607	39,483	92.67%	2,410	5.66%	130	0.31%	584	1.37%
PLACER	4,883	4,437	90.87%	261	5.35%	12	0.25%	173	3.54%
PLUMAS	201	189	94.03%	1	0.50%	0	0.00%	11	5.47%
RIVERSIDE	30,722	29,372	95.61%	1,063	3.46%	43	0.14%	244	0.79%
SACRAMENTO	18,655	16,606	89.02%	1,685	9.03%	46	0.25%	318	1.70%
SAN BENITO	938	903	96.27%	22	2.35%	1	0.11%	12	1.28%
SAN BERNARDINO	31,789	30,261	95.19%	1,180	3.71%	39	0.12%	309	0.97%
SAN DIEGO	40,125	37,762	94.11%	1,583	3.95%	57	0.14%	723	1.80%
SAN FRANCISCO	6,234	5,662	90.82%	502	8.05%	5	0.08%	65	1.04%
SAN JOAQUIN	11,021	10,558	95.80%	379	3.44%	17	0.15%	67	0.61%
SAN LUIS OBISPO	2,458	2,252	91.62%	100	4.07%	6	0.24%	100	4.07%
SAN MATEO	8,705	8,108	93.14%	501	5.76%	7	0.08%	89	1.02%
SANTA BARBARA	5,605	5,223	93.18%	217	3.87%	15	0.27%	150	2.68%
SANTA CLARA	24,236	22,997	94.89%	958	3.95%	56	0.23%	225	0.93%
SANTA CRUZ	3,303	2,824	85.50%	243	7.36%	13	0.39%	223	6.75%
SHASTA	2,096	1,901	90.70%	116	5.53%	8	0.38%	71	3.39%
SIERRA	41	36	87.80%	3	7.32%	0	0.00%	2	4.88%
SISKIYOU	449	376	83.74%	23	5.12%	1	0.22%	49	10.91%
SOLANO	5,412	5,029	92.92%	328	6.06%	14	0.26%	41	0.76%
SONOMA	5,805	5,177	89.18%	393	6.77%	9	0.16%	226	3.89%
STANISLAUS	8,319	7,896	94.92%	255	3.07%	16	0.19%	152	1.83%
SUTTER	1,436	1,353	94.22%	68	4.74%	1	0.07%	14	0.97%
TEHAMA	883	804	91.05%	43	4.87%	1	0.11%	35	3.96%
TRINITY	121	99	81.82%	7	5.79%	1	0.83%	14	11.57%
TULARE	8,052	7,806	96.94%	196	2.43%	5	0.06%	45	0.56%
TUOLUMNE	492	417	84.76%	46	9.35%	0	0.00%	29	5.89%
VENTURA	11,793	10,518	89.19%	1,015	8.61%	22	0.19%	238	2.02%
YOLO	2,333	2,242	96.10%	56	2.40%	6	0.26%	29	1.24%
YUBA	1,185	1,046	88.27%	115	9.70%	1	0.08%	23	1.94%

TABLE 3: STUDENTS ADEQUATELY IMMUNIZED
BY COUNTY

	TOTAL STUDENTS	DTP 4+		POLIO 3+		MMR 1		MMR 2		HEP B 3+		VAR 1+	
	NUMBER	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
STATE TOTAL	512,733	494,390	96.42%	496,068	96.75%	508,591	99.19%	496,164	96.77%	504,516	98.40%	506,544	98.79%
COUNTY													
ALAMEDA	17,895	17,171	95.95%	17,226	96.26%	17,710	98.97%	17,211	96.18%	17,554	98.09%	17,631	98.52%
ALPINE	17	16	94.12%	16	94.12%	17	100.00%	16	94.12%	16	94.12%	16	94.12%
AMADOR	318	316	99.37%	316	99.37%	318	100.00%	318	100.00%	316	99.37%	318	100.00%
BUTTE	2,456	2,385	97.11%	2,396	97.56%	2,439	99.31%	2,400	97.72%	2,424	98.70%	2,435	99.14%
CALAVERAS	454	435	95.81%	433	95.37%	446	98.24%	438	96.48%	443	97.58%	443	97.58%
COLUSA	367	364	99.18%	365	99.46%	367	100.00%	365	99.46%	365	99.46%	365	99.46%
CONTRA COSTA	14,338	14,076	98.17%	14,112	98.42%	14,293	99.69%	14,108	98.40%	14,232	99.26%	14,268	99.51%
DEL NORTE	359	355	98.89%	356	99.16%	358	99.72%	357	99.44%	358	99.72%	358	99.72%
EL DORADO	2,073	1,928	93.01%	1,936	93.39%	2,048	98.79%	1,936	93.39%	2,029	97.88%	2,030	97.93%
FRESNO	15,046	14,689	97.63%	14,765	98.13%	14,995	99.66%	14,846	98.67%	14,886	98.94%	14,972	99.51%
GLENN	445	440	98.88%	441	99.10%	444	99.78%	441	99.10%	443	99.55%	443	99.55%
HUMBOLDT	1,371	1,271	92.71%	1,279	93.29%	1,343	97.96%	1,277	93.14%	1,331	97.08%	1,300	94.82%
IMPERIAL	2,640	2,602	98.56%	2,614	99.02%	2,640	100.00%	2,588	98.03%	2,629	99.58%	2,620	99.24%
INYO	192	191	99.48%	191	99.48%	192	100.00%	189	98.44%	191	99.48%	190	98.96%
KERN	13,496	13,078	96.90%	13,094	97.02%	13,421	99.44%	13,068	96.83%	13,284	98.43%	13,319	98.69%
KINGS	2,320	2,276	98.10%	2,284	98.45%	2,314	99.74%	2,280	98.28%	2,295	98.92%	2,309	99.53%
LAKE	750	704	93.87%	714	95.20%	744	99.20%	706	94.13%	731	97.47%	727	96.93%
LASSEN	394	366	92.89%	364	92.39%	386	97.97%	364	92.39%	386	97.97%	380	96.45%
LOS ANGELES	138,442	132,038	95.37%	132,715	95.86%	136,609	98.68%	132,922	96.01%	135,304	97.73%	136,098	98.31%
MADERA	2,285	2,166	94.79%	2,180	95.40%	2,253	98.60%	2,192	95.93%	2,239	97.99%	2,244	98.21%
MARIN	2,870	2,711	94.46%	2,717	94.67%	2,828	98.54%	2,707	94.32%	2,804	97.70%	2,816	98.12%
MARIPOSA	143	127	88.81%	128	89.51%	140	97.90%	128	89.51%	135	94.41%	137	95.80%
MENDOCINO	1,046	969	92.64%	975	93.21%	1,026	98.09%	970	92.73%	1,016	97.13%	1,020	97.51%
MERCED	4,500	4,335	96.33%	4,363	96.96%	4,487	99.71%	4,368	97.07%	4,456	99.02%	4,475	99.44%
MODOC	112	107	95.54%	109	97.32%	112	100.00%	108	96.43%	111	99.11%	112	100.00%
MONO	141	134	95.04%	133	94.33%	136	96.45%	133	94.33%	136	96.45%	139	98.58%
MONTEREY	5,685	5,500	96.75%	5,515	97.01%	5,654	99.45%	5,537	97.40%	5,620	98.86%	5,644	99.28%
NAPA	1,655	1,624	98.13%	1,625	98.19%	1,648	99.58%	1,616	97.64%	1,634	98.73%	1,644	99.34%
NEVADA	1,024	950	92.77%	947	92.48%	995	97.17%	953	93.07%	974	95.12%	968	94.53%

TABLE 3: STUDENTS ADEQUATELY IMMUNIZED
BY COUNTY

	TOTAL STUDENTS	DTP 4+		POLIO 3+		MMR 1		MMR 2		HEP B 3+		VAR 1+	
	NUMBER	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
STATE TOTAL	512,733	494,390	96.42%	496,068	96.75%	508,591	99.19%	496,164	96.77%	504,516	98.40%	506,544	98.79%
COUNTY													
ORANGE	42,607	41,149	96.58%	41,129	96.53%	42,351	99.40%	41,065	96.38%	42,075	98.75%	42,244	99.15%
PLACER	4,883	4,717	96.60%	4,728	96.83%	4,835	99.02%	4,727	96.81%	4,789	98.07%	4,788	98.05%
PLUMAS	201	200	99.50%	200	99.50%	201	100.00%	201	100.00%	200	99.50%	200	99.50%
RIVERSIDE	30,722	30,168	98.20%	30,255	98.48%	30,651	99.77%	30,196	98.29%	30,377	98.88%	30,595	99.59%
SACRAMENTO	18,655	17,434	93.45%	17,569	94.18%	18,499	99.16%	17,558	94.12%	18,206	97.59%	18,265	97.91%
SAN BENITO	938	921	98.19%	927	98.83%	936	99.79%	924	98.51%	934	99.57%	934	99.57%
SAN BERNARDINO	31,789	31,034	97.62%	31,133	97.94%	31,637	99.52%	31,115	97.88%	31,415	98.82%	31,545	99.23%
SAN DIEGO	40,125	38,971	97.12%	39,065	97.36%	39,988	99.66%	39,098	97.44%	39,761	99.09%	39,886	99.40%
SAN FRANCISCO	6,234	5,917	94.91%	5,923	95.01%	6,045	96.97%	5,998	96.21%	6,006	96.34%	6,035	96.81%
SAN JOAQUIN	11,021	10,754	97.58%	10,803	98.02%	10,937	99.24%	10,792	97.92%	10,880	98.72%	10,915	99.04%
SAN LUIS OBISPO	2,458	2,390	97.23%	2,391	97.27%	2,439	99.23%	2,404	97.80%	2,430	98.86%	2,435	99.06%
SAN MATEO	8,705	8,398	96.47%	8,405	96.55%	8,659	99.47%	8,375	96.21%	8,601	98.81%	8,635	99.20%
SANTA BARBARA	5,605	5,459	97.40%	5,473	97.64%	5,580	99.55%	5,468	97.56%	5,541	98.86%	5,568	99.34%
SANTA CLARA	24,236	23,648	97.57%	23,718	97.86%	24,131	99.57%	23,727	97.90%	23,973	98.91%	24,077	99.34%
SANTA CRUZ	3,303	3,161	95.70%	3,151	95.40%	3,267	98.91%	3,155	95.52%	3,243	98.18%	3,257	98.61%
SHASTA	2,096	2,002	95.52%	2,003	95.56%	2,058	98.19%	2,027	96.71%	2,065	98.52%	2,060	98.28%
SIERRA	41	39	95.12%	39	95.12%	41	100.00%	39	95.12%	41	100.00%	40	97.56%
SISKIYOU	449	430	95.77%	434	96.66%	447	99.55%	433	96.44%	446	99.33%	443	98.66%
SOLANO	5,412	5,219	96.43%	5,212	96.30%	5,385	99.50%	5,212	96.30%	5,355	98.95%	5,368	99.19%
SONOMA	5,805	5,554	95.68%	5,542	95.47%	5,727	98.66%	5,514	94.99%	5,682	97.88%	5,671	97.69%
STANISLAUS	8,319	8,141	97.86%	8,168	98.18%	8,299	99.76%	8,167	98.17%	8,263	99.33%	8,283	99.57%
SUTTER	1,436	1,398	97.35%	1,403	97.70%	1,430	99.58%	1,386	96.52%	1,417	98.68%	1,421	98.96%
TEHAMA	883	868	98.30%	872	98.75%	882	99.89%	856	96.94%	868	98.30%	880	99.66%
TRINITY	121	115	95.04%	117	96.69%	121	100.00%	116	95.87%	120	99.17%	118	97.52%
TULARE	8,052	7,919	98.35%	7,947	98.70%	8,043	99.89%	7,944	98.66%	7,997	99.32%	8,039	99.84%
TUOLUMNE	492	463	94.11%	461	93.70%	488	99.19%	459	93.29%	480	97.56%	478	97.15%
VENTURA	11,793	11,203	95.00%	11,285	95.69%	11,662	98.89%	11,262	95.50%	11,557	98.00%	11,463	97.20%
YOLO	2,333	2,304	98.76%	2,300	98.59%	2,325	99.66%	2,299	98.54%	2,304	98.76%	2,322	99.53%
YUBA	1,185	1,090	91.98%	1,106	93.33%	1,164	98.23%	1,105	93.25%	1,148	96.88%	1,158	97.72%

TABLE 4: NUMBER OF SCHOOLS REPORTING
BY COUNTY AND TYPE

	TOTAL NUMBER OF SCHOOLS	SCHOOL TYPE			
		PUBLIC		PRIVATE	
		NUMBER OF SCHOOLS	PERCENT OF TOTAL	NUMBER OF SCHOOLS	PERCENT OF TOTAL
STATE TOTAL	8,496	5,646	66.45%	2,850	33.55%
COUNTY					
ALAMEDA	324	211	65.12%	113	34.88%
ALPINE	2	2	100.00%	0	0.00%
AMADOR	10	8	80.00%	2	20.00%
BUTTE	62	49	79.03%	13	20.97%
CALAVERAS	12	11	91.67%	1	8.33%
COLUSA	7	6	85.71%	1	14.29%
CONTRA COSTA	238	153	64.29%	85	35.71%
DEL NORTE	11	9	81.82%	2	18.18%
EL DORADO	44	33	75.00%	11	25.00%
FRESNO	218	182	83.49%	36	16.51%
GLENN	12	10	83.33%	2	16.67%
HUMBOLDT	59	51	86.44%	8	13.56%
IMPERIAL	46	36	78.26%	10	21.74%
INYO	8	7	87.50%	1	12.50%
KERN	183	143	78.14%	40	21.86%
KINGS	37	29	78.38%	8	21.62%
LAKE	18	14	77.78%	4	22.22%
LASSEN	15	13	86.67%	2	13.33%
LOS ANGELES	2,186	1,240	56.72%	946	43.28%
MADERA	37	35	94.59%	2	5.41%
MARIN	73	42	57.53%	31	42.47%
MARIPOSA	7	7	100.00%	0	0.00%
MENDOCINO	34	28	82.35%	6	17.65%
MERCED	65	51	78.46%	14	21.54%
MODOC	6	6	100.00%	0	0.00%
MONO	7	6	85.71%	1	14.29%
MONTEREY	83	69	83.13%	14	16.87%
NAPA	44	29	65.91%	15	34.09%
NEVADA	35	28	80.00%	7	20.00%

TABLE 4: NUMBER OF SCHOOLS REPORTING
BY COUNTY AND TYPE

	TOTAL NUMBER OF SCHOOLS	SCHOOL TYPE			
		PUBLIC		PRIVATE	
		NUMBER OF SCHOOLS	PERCENT OF TOTAL	NUMBER OF SCHOOLS	PERCENT OF TOTAL
STATE TOTAL	8,496	5,646	66.45%	2,850	33.55%
COUNTY					
ORANGE	683	396	57.98%	287	42.02%
PLACER	82	61	74.39%	21	25.61%
PLUMAS	7	5	71.43%	2	28.57%
RIVERSIDE	408	273	66.91%	135	33.09%
SACRAMENTO	323	232	71.83%	91	28.17%
SAN BENITO	18	15	83.33%	3	16.67%
SAN BERNARDINO	442	311	70.36%	131	29.64%
SAN DIEGO	652	432	66.26%	220	33.74%
SAN FRANCISCO	142	74	52.11%	68	47.89%
SAN JOAQUIN	175	136	77.71%	39	22.29%
SAN LUIS OBISPO	61	44	72.13%	17	27.87%
SAN MATEO	176	106	60.23%	70	39.77%
SANTA BARBARA	103	75	72.82%	28	27.18%
SANTA CLARA	376	240	63.83%	136	36.17%
SANTA CRUZ	63	43	68.25%	20	31.75%
SHASTA	62	48	77.42%	14	22.58%
SIERRA	3	3	100.00%	0	0.00%
SISKIYOU	27	25	92.59%	2	7.41%
SOLANO	82	57	69.51%	25	30.49%
SONOMA	132	97	73.48%	35	26.52%
STANISLAUS	124	101	81.45%	23	18.55%
SUTTER	37	30	81.08%	7	18.92%
TEHAMA	24	21	87.50%	3	12.50%
TRINITY	11	11	100.00%	0	0.00%
TULARE	108	96	88.89%	12	11.11%
TUOLUMNE	17	13	76.47%	4	23.53%
VENTURA	203	136	67.00%	67	33.00%
YOLO	45	34	75.56%	11	24.44%
YUBA	27	23	85.19%	4	14.81%